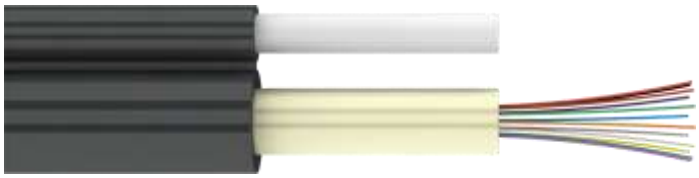
«Prime-C» LLP
BIN 170940000095
100000, Republic of Kazakhstan, Karaganda, Erzhanova 18, BC «Respect», off. №817
IIC KZ06914052203KZ002W3 in "Sberbank" SB JSC
Phone: +7(7212)910-116; Mob.: +7(701)806-75-06, +7(775)700-30-30
e-mail: info@prime-c.kz

# TPOd – Figure-8 Single Tube Dielectric Rod




**Application**

Optical cable is designed for suspension (with particularly high requirements for resistance to external electromagnetic effects) on overhead communication lines towers, railways contact network, power lines with a maximum electric field potential of up to 12 kV and between buildings.

**Technical characteristics**

| Parameter | Value | | | | |
|---|---|---|---|---|---|
| Number of optical fibers | Up to 6 | До 8 | До 12 | До 16 | До 24 |
| Tensile strength, kN | 4 | | | | |
| Cable diameter, mm | 6,2 | 6,3 | 6,5 | 6,7 | 7,0 |
| Cable weight, kg/km | 72,9 | 73,7 | 75,5 | 77,4 | 80,2 |
| Tensile strength, kN | 6 | | | | |
| Cable diameter, mm | 6,2 | 6,3 | 6,5 | 6,7 | 7,0 |
| Cable weight, kg/km | 90,2 | 1,1 | 92,9 | 94,7 | 97,5 |
| Crushing force, kN/sm | 0,3 | | | | |
| Operating temperature | -60°C…+70°C | | | | |
| Installation temperature | -30°C…+50°C | | | | |
| Transportation and storage temperature | -60°C…+70°C | | | | |
| Minimum bending radius | Not less than 15 cable diameters | | | | |
| Factory length, km | 4 | | | | |

**Technical characteristics of optical fiber**

| Type of optical fiber | Corning SMF 28 Ultra | Corning SMF28e+BB |
|---|---|---|
| ITU-T recommendations | G.657A1 G.652D | G.657A1 G.652D |
| Deviation from the concentricity of the core, microns, not more | 0,5 | |
| Diameter of fiber sheath, microns | 125±0,7 | |
| Deviation from the roundness of the sheath,%, not more | 0,7 | |
| The diameter of the protective covering, microns | 242±5 | |
| Maximum attenuation at wavelength 1310 nm | 0,32 | 0,34 |
| Maximum attenuation at wavelength 1550 nm | 0,18 | 0,20 |

**Full name example**

**Optical cable TPOd-P-12Y (1x12) 6kN**

The cable consists of a single tube core with freely laid fibers. Free space is filled with a hydrophobic gel in the single tube. A suspension element is a dielectric rod. MDPE sheath is laid on the core and on the suspension element.